Attorney's Docket No.: 25142-0002001 / FP04-0096-

00US-XX

Applicant: Yamamoto et al. Serial No.: 10/797,903 Filed: March 10, 2004

Page : 2 of 12

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-11. (Cancelled).

12. (Currently amended) A method for treating a cancer in a patient, comprising:

- a) determining if the patient's cancer expresses c-Kit kinase or a mutant c-Kit kinase; and
- b) if the cancer is determined to express c-Kit kinase or a mutant c-Kit kinase, administering to the patient a pharmacologically effective dose to inhibit c-Kit activity of said cKit kinase or mutant c-Kit kinase of a compound selected from the group consisting of:
- 4-(3-chloro-4-(cyclopropylaminocarbonyl)aminophenoxy)-7-methoxy-6-quinolinecarboxamide;
 - 4-(3-chloro-4-(ethylaminocarbonyl)aminophenoxy)-7-methoxy-6-quinolinecarboxamide,

N6-methoxy-4-(3-chloro-4-(((cyclopropylamino)carbonyl)amino)phenoxy)-7-methoxy-6-quinolinecarboxamide; and

N6-methoxy-4-(3-chloro-4-(((ethylamino)carbonyl)amino)phenoxy)-7-methoxy-6-quinolinecarboxamide, or a pharmaceutically acceptable salt thereof:

Applicant: Yamamoto et al. Attorney's Docket No.: 25142-0002001 / FP04-0096-

Serial No.: 10/797,903 00US-XX

Filed : March 10, 2004

Page : 3 of 12

$$R_{a3} \longrightarrow V_{a3} \longrightarrow V$$

- 13. (Cancelled).
- 14. (Previously presented) The method of claim 12, wherein the cancer is acute myelogenous leukemia, a small cell lung cancer, or GIST.
- 15. (Cancelled).
- 16. (**Currently amended**) A method for treating mastocytosis, allergy, or asthma comprising administering to a patient suffering from one or more of the diseases a pharmacologically effective dose to inhibit c-Kit activity of said cKit kinase or mutant c-Kit kinase of a compound selected from the group consisting of:

4-(3-chloro-4-(cyclopropylaminocarbonyl)aminophenoxy)-7-methoxy-6-quinolinecarboxamide;

4-(3-chloro-4-(ethylaminocarbonyl)aminophenoxy)-7-methoxy-6-quinolinecarboxamide, N6-methoxy-4-(3-chloro-4-(((cyclopropylamino)carbonyl)amino)phenoxy)-7-methoxy-6-

quinolinecarboxamide; and

N6-methoxy-4-(3-chloro-4-(((ethylamino)carbonyl)amino)phenoxy)-7-methoxy-6-quinolinecarboxamide, or a pharmaceutically acceptable salt thereof:

Attorney's Docket No.: 25142-0002001 / FP04-0096-

Applicant: Yamamoto et al. Serial No.: 10/797,903 00US-XX Filed : March 10, 2004

: 4 of 12 Page

$$R_{a3} \longrightarrow R_{a1} \qquad R_{a3} \longrightarrow R$$

17. (Currently amended) A method comprising:

- a) determining if a cell expresses c-Kit kinase or a mutant c-Kit kinase; and
- b) if the cell is determined to express c-Kit kinase or a mutant c-Kit kinase, applying to the cell a pharmacologically effective dose to inhibit c-Kit activity of said cKit kinase or mutant c-Kit kinase of a compound selected from the group consisting of:

4-(3-chloro-4-(cyclopropylaminocarbonyl)aminophenoxy)-7-methoxy-6quinolinecarboxamide;

4-(3-chloro-4-(ethylaminocarbonyl)aminophenoxy)-7-methoxy-6-quinolinecarboxamide,

N6-methoxy-4-(3-chloro-4-(((cyclopropylamino)carbonyl)amino)phenoxy)-7-methoxy-6quinolinecarboxamide; and

N6-methoxy-4-(3-chloro-4-(((ethylamino)carbonyl)amino)phenoxy)-7-methoxy-6quinolinecarboxamide, or a pharmaceutically acceptable salt thereof:

Attorney's Docket No.: 25142-0002001 / FP04-0096-

(II)

00US-XX

Applicant: Yamamoto et al. Serial No.: 10/797,903 Filed: March 10, 2004

Page : 5 of 12

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18. (Previously Presented) The method of claim 12, 16, or 17 wherein the compound is 4-(3-chloro-4-(cyclopropylaminocarbonyl)aminophenoxy)-7-methoxy-6-quinolinecarboxamide or a pharmaceutically acceptable salt thereof.

- 19. (Cancelled).
- 20. (Previously Presented) The method of claim 12, 16, or 17, wherein the compound) is 4-(3-chloro-4-(cyclopropylaminocarbonyl)aminophenoxy)-7-methoxy-6-quinolinecarboxamide.
- 21. (Previously presented) The method of claim 12, wherein the cancer is mast cell leukemia, testicular cancer, ovarian cancer, breast cancer, brain cancer, neuroblastoma, or colorectal cancer.
- 22. (Previously presented) The method of claim 12, wherein the c-Kit kinase or mutant c-Kit kinase is activated.
- 23. (Previously presented) The method of claim 12, wherein the c-Kit kinase or mutant c-Kit kinase is phosphorylated.

Applicant: Yamamoto et al. Attorney's Docket No.: 25142-0002001 / FP04-0096-

00US-XX

Serial No.: 10/797,903

Filed : March 10, 2004

Page : 6 of 12

24. (Previously presented) The method of claim 12, wherein the expression of c-Kit kinase or

mutant c-Kit kinase is excessive.

25. (Previously presented) The method of claim 12, wherein the determining step comprises

extracting cells from the patient.

26. (Previously presented). The method of claim 25, wherein the extracted cells comprise

cancer cells.

27. (Previously presented) The method of claim 17, wherein the cell is a cancer cell or a mast

cell.

28. (Previously presented) The method of claim 27, wherein the cancer cell is a mast cell

leukemia, testicular cancer, ovarian cancer, breast cancer, brain cancer, neuroblastoma, or

colorectal cancer cell.

29. (Previously presented) The method of claim 27, wherein the cancer cell is a myelogenous

leukemia, a small cell lung cancer or a GIST cancer cell.

30. (Previously presented) The method of claim 12, wherein the compound is administered

orally or parenterally.

31. (Previously presented) The method of claim 17, wherein the c-Kit kinase or mutant c-Kit

kinase is activated.

32. (Previously presented) The method of claim 17, wherein the c-Kit kinase or mutant c-Kit

kinase is phosphorylated.

Applicant: Yamamoto et al. Attorney's Docket No.: 25142-0002001 / FP04-0096-

00US-XX

Serial No.: 10/797,903 Filed: March 10, 2004

Page : 7 of 12

33. (Previously presented) The method of claim 17, wherein the expression of c-Kit kinase or mutant c-Kit kinase is excessive.

- 34. (Previously presented) The method of claim 17, wherein the determining step comprises extracting cells from the patient.
- 35. (Previously presented) The method of claim 16, wherein the compound is administered orally or parenterally.
- 36. (Previously presented) The method of claim 12, wherein the cancer is determined to express a mutant c-Kit kinase.
- 37. (Previously presented) The method of claim 17, wherein the cell is determined to express a mutant c-Kit kinase.